

033104

2251
U.S.PTO
**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No.

34020/US

March 31, 2004

First Inventor or Application Identifier

Gary Johnson et al.

Title

**PHASE DETECTOR AND METHOD HAVING
HYSTERESIS CHARACTERISTICS**

Express Mail Label No.

EL 646073853 US

U.S.PTO
16178
10/8/2004
22581

033104

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

1. Fee Transmittal Sheet (+ copy)
(Submit an original and a duplicate for fee processing)
2. Applicant(s) Claim(s) Small Entity Status
3. Specification [Total Pages] **43**
 - Descriptive Title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 USC 113) [Total Sheets] **13**
5. Oath or Declaration [Total Pages]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 CFR 1.63(d)(2) and 1.33(b)
6. Application Data Sheet (37 C.F.R. 1.76)

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. Computer-Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Certification Under 35 U.S.C. 122(b)(2)(B)(i)
10. Assignment Papers (cover sheet & document(s))
11. 37 CFR 3.73(b) Statement Power of Attorney (when there is an assignee)
12. English Translation Document (if applicable)
13. Preliminary Amendment Total Pages _____
14. Return Receipt Postcard
15. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
16. Certified Copy of Priority Document(s) (if foreign priority is claimed)
17. Other: Certificate of Express Mail _____

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment

 Continuation Divisional Continuation-In-Part (CIP) of prior Application No.: _____ Filed _____

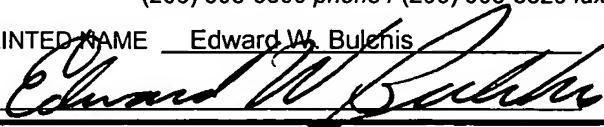
Prior application information: Examiner _____ Group / Art Unit _____

 Incorporation By Reference (useable if box 5b is checked)
 The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
CORRESPONDENCE ADDRESS

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REGISTRATION NO. 26,847

SIGNATURE Date March 31, 2004

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Gary Johnson and Wen Li

Attorney Docket No.: 34020/US

Filed : March 31, 2004

Title : PHASE DETECTOR AND METHOD HAVING HYSTERESIS
CHARACTERISTICS

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

MAIL STOP PATENT APPLICATION

Commissioner for Patents

P.O. Box 1450

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Sir:

I hereby certify that the enclosures listed below are being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 C.F.R. § 1.10, Mailing Label Certificate No. EL 646073853 US, on March 31, 2004, addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,

DORSEY & WHITNEY LLP

A handwritten signature in black ink, appearing to read "Dennis S. Shan".

/ for West Courier

EWB:dms

Enclosures:

Postcard

PTO/SB/05 Utility Patent Application Transmittal

Application Data Sheet

Specification, Claims, Abstract (43 pages)

13 Sheets of Drawings (Figures 1-14)